

## Ball-shaped polyester particles capable of crosslinking at low temperature, production thereof and use of same for powder lacquers

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Inventor(s): SIMON PETER (DE); BLATTER KARSTEN (DE)  
Applicant(s):: AVENTIS RES & TECH GMBH & CO (DE)  
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### Abstract

PCT No. PCT/EP98/00747 Sec. 371 Date Aug. 13, 1999 Sec. 102(e) Date Aug. 13, 1999 PCT Filed Feb. 11, 1998 PCT Pub. No. WO98/36010 PCT Pub. Date Aug. 20, 1998 The invention relates to spherical transparent polyester particles having a mean particle size <50  $\mu\text{m}$  and a monomodal particle size distribution having a span ( $d_{90}$ - $d_{10}$ / $d_{50}$ )<2.5 which can be melted to form a continuous coating at temperatures <200 DEG C., to a process for their preparation and to their use for powder coatings. In a preferred embodiment the particles comprise units of formulae (1) and (2) -CO-X-CO(1) -O-D-O-(2) where X is a substituted or unsubstituted C6 to C14-aromatic radical or an alkylene, polymethylene, cycloalkane or dimethylenecycloalkane group or a straight-chain or branched, saturated or unsaturated alkanediyl group and D is an alkylene, polymethylene, cycloalkane or dimethylenecycloalkane group or a straight-chain or branched, saturated or unsaturated alkanediyl group.

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